Preface

Thank you for purchasing and adopting the Gigabyte G-MAX™FB Series as your favorite computer product. To assure the safe application of this product, please carefully read the following:

- Please strictly follow the labeled warnings and instructions given.
- Before disassembling or cleaning this product, make sure the power connector is unplugged.
- Never wipe the interior of the system with water or dip the system in water.
- Before connecting to any peripheral, please turn off the power of the system.
- The type of power should be used according to the power specified on the label of this product. If you are not sure what type of power supply should be used, please contact your distributor.

Aug /2002

■ Features

G-MAX™ FB Series adopts the motherboard designed and developed by Gigabyte with advanced Micro or Flex ATX architecture, which allows you to work seamlessly with the Windows operating system.

The nimble design of the book size casing not only gives convenient assembling and maintenance, but also allows you to easily upgrade in the future!

WARNING

If the battery is not properly handled, there may be a risk of explosion; make sure you are using the same or equivalent battery. Please dispose the used battery according to the instructions given by the manufacturer.

■ Specifications

Product Specifications

Book size chassis

Gigabyte Micro or Flex ATX motherboard (Option)

Power supply

DVD-ROM / CD-ROM / CD-RW (Option)

Card Reader (Option)

1.44" floppy

Power cord

Keyboard (Option)

Multi I/O card (Option)

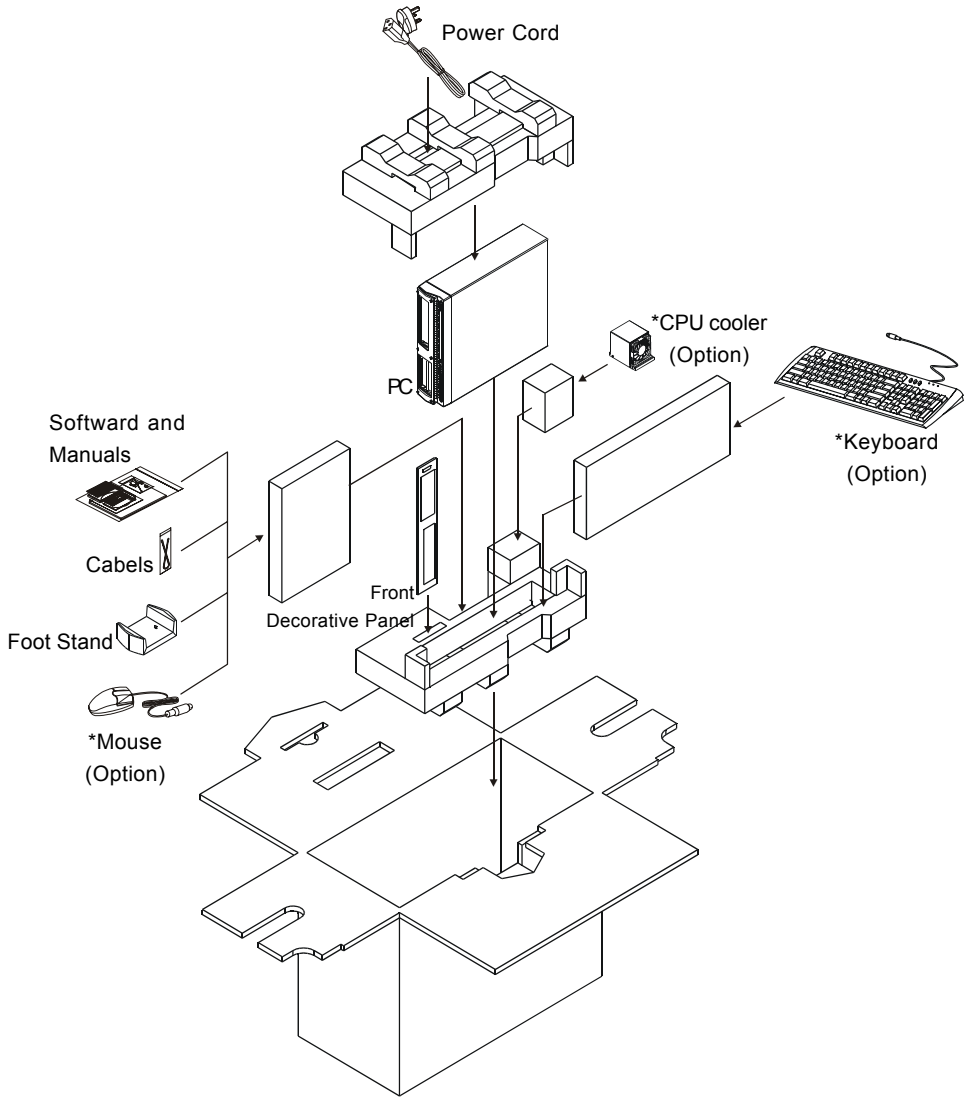
CPU cooler (Option)

Front decorative panel

Accessory Box Content

- Motherboard User's Manual
- System Installation Guide
- Driver CD
- HDD IDE Cable
- Screw bag
- Mouse (Option)
- Foot Stand (Option)

■ Items included in the package



Specification with "Option" are subject to change without notice.

I. Chassis

Dimensions 428(D)mm x 92(W)mm x 326(H)mm

The casing of this computer adopts UL certified materials and bases with the convenient design of saving space and screws for installing one 5.25" and three 3.5" storage devices. It is very easy to remove the upper casing by loosening one screw and removing the lower panel and upper casing with one movement for the purpose of attaining an easy and convenient maintenance. The design of the computer casing allows for the function of electromagnetic interference (EMI) control, and meets the requirements of the computer safety specifications.

II. Motherboard

Please refer to the Motherboard User's Guide for the specifications and related introduction of the motherboard equipment in this system.

III. Power Supply

This computer adopts a T.F.X. power supply, and supports the functions of turning off the system by software. The factory default voltage is 230V.

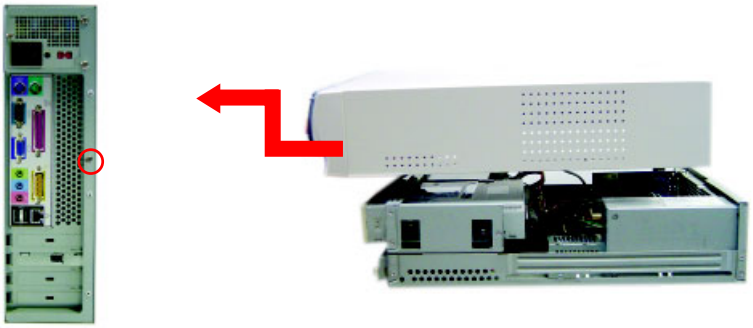
Note: Please confirm the default voltage of the country before turning on the computer.

IV. Changing Front Decorative Panels

1. Loosen the 6 screws on the front decorative panel.
   Please use the hexagonal wrench bundled in the system to loosen or tighten the screws.
   - Clockwise: for tightening the screw
     Counterclockwise: for loosening the screw
2. Remove the front panel, and replace it with another bundled front panel.
3. Secure the screws back into the position to complete the procedure of changing front decorative panels.

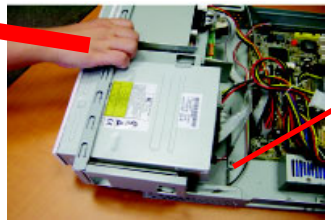
V. Installing the System

1. Unscrew the rear casing, and push the upper casing toward the front panel.



2. After loosening the 3 front screws and pulling out the optical disk drive, loosen the screws of the hard disk drive rack and then remove the hard disk drive rack.

Pull and lift the optical disk drive rack.



Loosen the screws, and remove the hard disk drive rack.

3. Put the hard disk drive into the rack, and align the screws at the screw holes.

4. CPU

4-1. Place the CPU into the CPU socket on the motherboard. Make sure that you have lifted the transversal lever and aligned the aslant side of the CPU along the aslant side of the CPU socket.

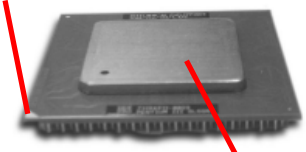
4-2. After CPU is secured tightly onto the CPU socket, release the transversal lever and attach it to the CPU socket.

4-3. Evenly spread the heat dispersion paste on the CPU and make sure it totally covers the CPU. The CPU fan must be tightly attached on the CPU to maximize the effect of heat dispersion.

4-4. Connect the CPU fan connector to the CPU FAN position on the motherboard.

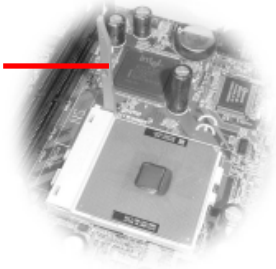
A. For Intel® Pentium® III and Intel® Celeron® processors

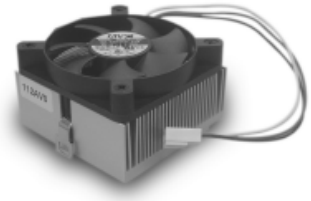
CPU Pin



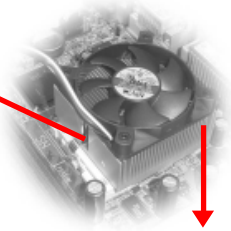
Evenly spread the heat dispersion paste on the CPU

Pull the transversal lever





Latch the hooks on both sides of the CPU securely into the CPU socket



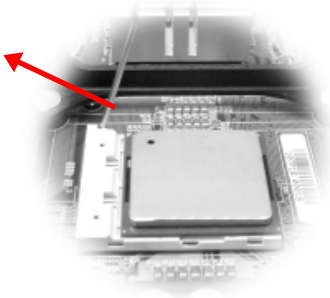
Pix the cooler on the rack.

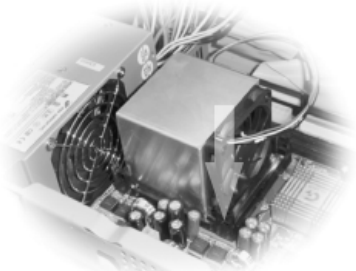
B. For Intel® Pentium® 4 processors

CPU Pin

Evenly spread the heat dispersion paste on the CPU

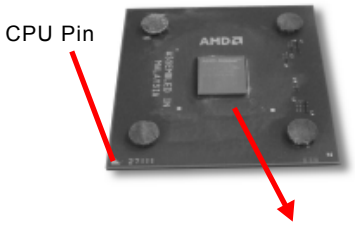
Pull the transversal lever

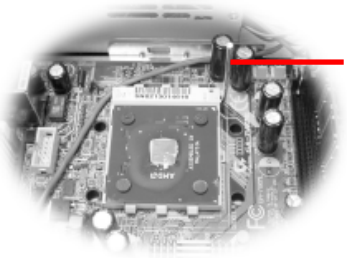




Fix the cooler on the rack.

C. For AMD Athlon™ and AMD Duron™ processors





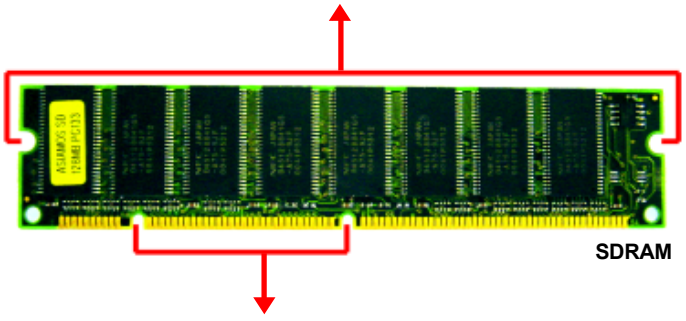
Fix the cooler on the rack

If you need to set up the frequency of the CPU, please do so in the BIOS SETUP. Refer to the Motherboard User's Manual for the setup.

5. Memory

This section introduces the memory installation. When the memory is installed, the direction of the foolproof groove should be the same as that of the memory slot on the motherboard for successful installation, and the hooks on both sides must be latched completely for a correct installation.

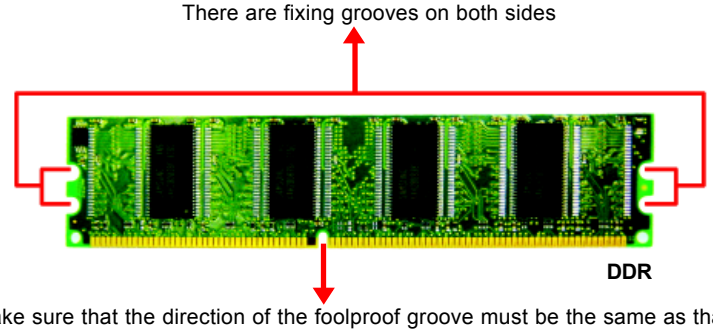
There are fixing grooves on both sides



SDRAM

Make sure that the direction of the foolproof groove must be the same as that of the memory slot on the motherboard for successful installation

There are fixing grooves on both sides

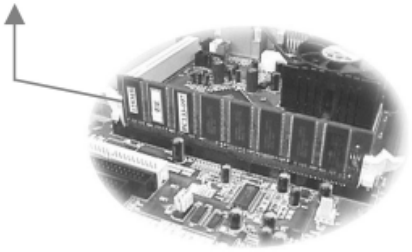


DDR

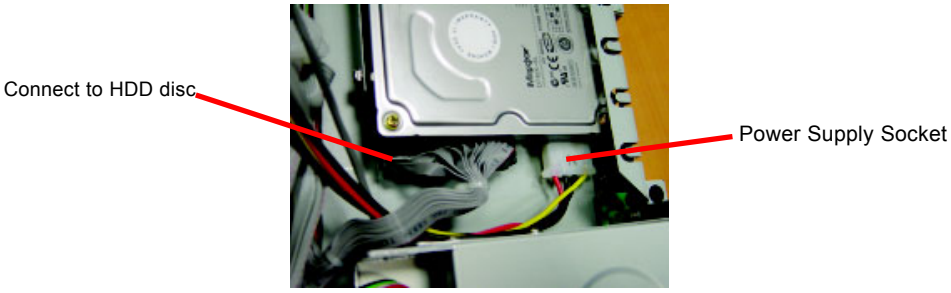
Make sure that the direction of the foolproof groove must be the same as that of the memory slot on the motherboard for successful installation

This section introduces the memory installation. When the memory is installed, the direction of the foolproof groove should be the same as that of the memory slot on the motherboard, and the hooks on both sides must be latched completely for correct installation.

Fixing the hooks. The hooks must be fixed into the fixing groove before the installation is considered complete.



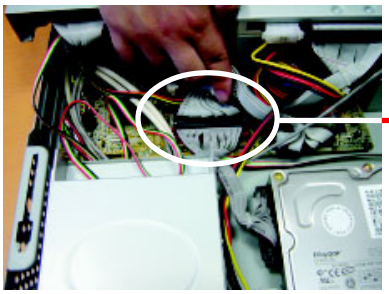
6. Connect the IDE bus cable bundled in the accessory kit. Connect the black connector to the hard disk drive, and align the first pin of the red cable to Pin 1 labeled on the hard disk.
7. Connect the connector of the power supply to the power supply socket of the hard disk drive.



8. After the above steps are completed, reinstall the hard disk drive rack back to the casing and tighten the screws.

Tighten the screws on the hard disk drive rack.

9. Connect the other end of the IDE bus cable to the data bus slot labeled as IDE-1 on the motherboard.



Connect to the data bus slot labeled as IDE-1 on the motherboard.

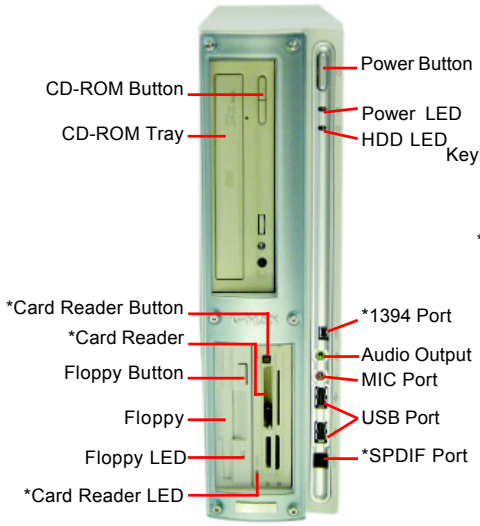
10. Reinstall the optical disk drive back into position on the casing, and tighten the screws (please refer to Step 2).

11. Reconfirm that all connections are properly made.

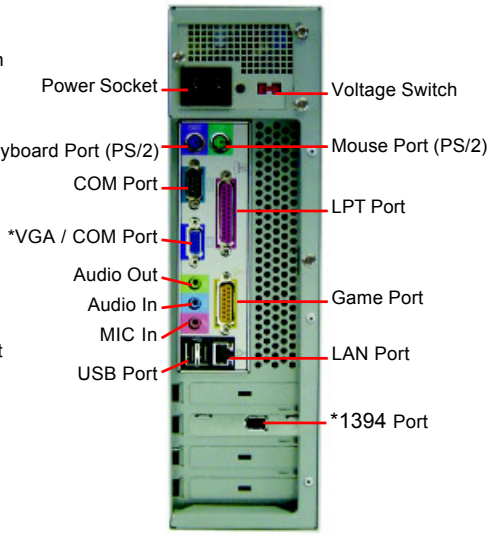
12. Install the upper casing and tighten the screws back into place.

VI. System Installation and User's Guide

■ Introduction of the Functions on the Front Panel



■ Introduction to the Functions on the Rear Panel



■ Remarks

1. It is recommended to use a high-quality optical disk to avoid the risk of broken disks during the operation of the high-speed optical disk drive.
2. Some of the items labeled with "*" may be different from the hardware specifications listed in this manual, and such items are based on the actual shipment.
3. If you want to obtain the most updated information of the drivers, please link to the following website:
   http://www.gigabyte.com.tw/products/plat_index.htm

■ Cautions for Safety

1. There is a risk of explosion if the Lithium battery of the system is not installed properly. Therefore, make sure you are using the same branded battery or equivalent one recommended by the manufacturer when replacing the batteries. Follow the instructions given by the manufacturer to handle the disposed batteries.
2. When the users install a modem card on their own, please pay attention to the following:
   Ⅰ. Please avoid using the telephone wire smaller than that of the No. 26 AWG to prevent fire accidents.
   Ⅱ. When the modem card is installed or uninstalled, please unplug the telephone line from the socket.

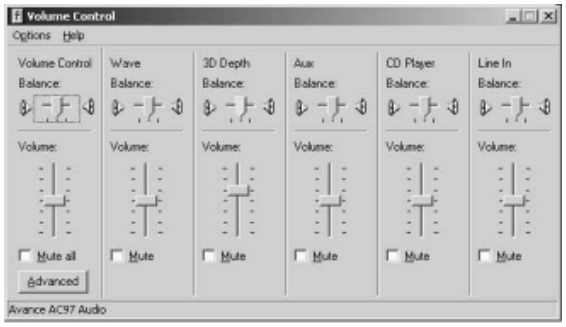
■Related Description on Using SPDIF (only applicable for the models that have SPDIF)

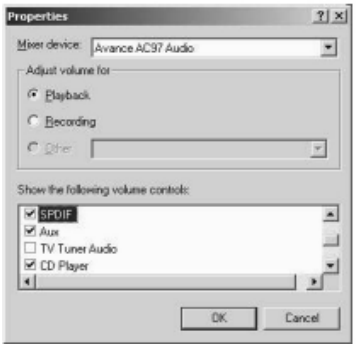
1.Please confirm the update of the audio driver bundled to the accessory kit.

2.If the SPDIF still cannot be run after the driver is updated, then follow the steps below to start the SPDIF function.

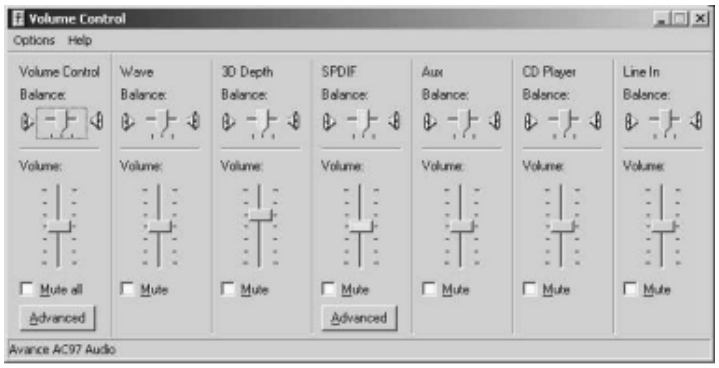
(A)Click on Start→Programs→Accessories→Entertainment→Volume Contorl.

(B) Volume Control→Options→Advanced Controls→Properties→Playback→SPDIF→OK.





(C) Select SPDIF Advanced→Sampling rate conversion for SPDIF output→Close→Finish



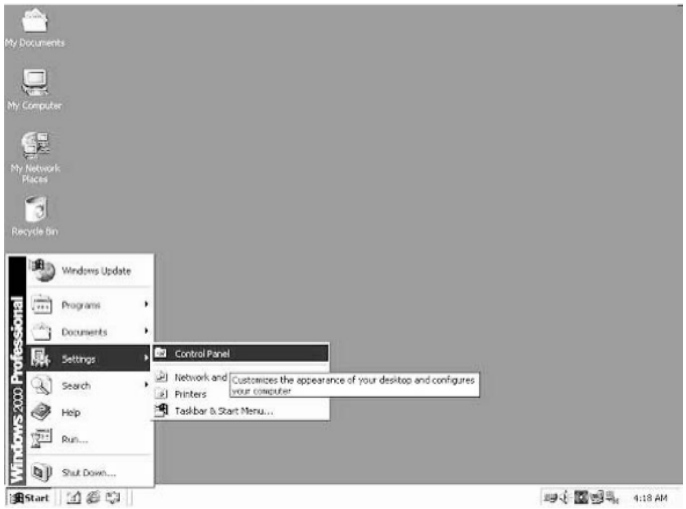
Advanced Controls for SPDIF
These settings can be used to make fine adjustments to your audio.
Tone Controls
These settings control how the tone of your audio sounds.
Bass:
Treble:
Low
High
Other Controls
These settings make other changes to how your audio sounds. See your hardware documentation for details.
1 Sampling rate conversion for SPDIF output
Close

3.For different Window® operating systems, the way of starting the SPDIF function is very similar.

It is only applicable to the models that have SPDIF.

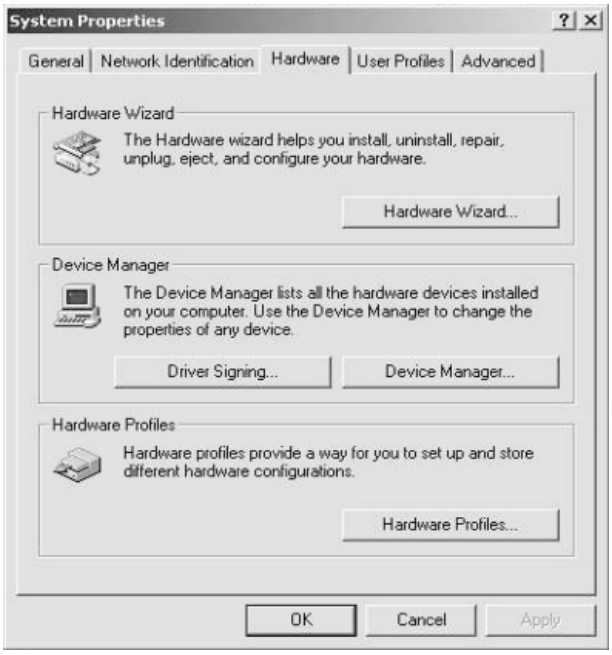
■ Guide for Digital CD Audio

1. Please make sure that the most updated version of the audio driver program is updated in the accessory kit.
2. If the digital CD audio signal still cannot be outputted normally after the update, please follow the steps given below to start the digital CD audio function.
   (A) Click on Start→Settings→Control Panel.

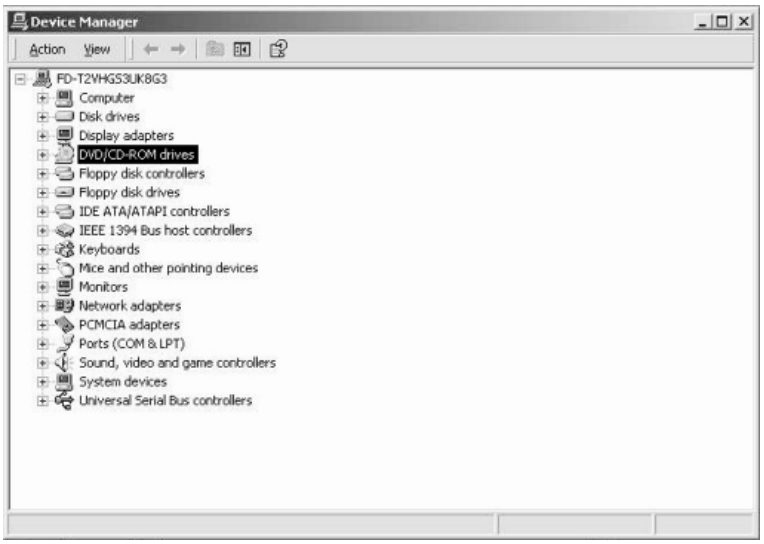


   (B) Select "System Properties".

(C) Select Hardware→Device Manager


System Properties
General
Network Identification
Hardware
User Profiles
Advanced
Hardware Wizard
The Hardware wizard helps you install, uninstall, repair, unplug, eject, and configure your hardware.
Hardware Wizard...
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Driver Signing...
Device Manager...
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles...
OK
Cancel
Apply

(D) Select DVD/CD-ROM drivers→Properties

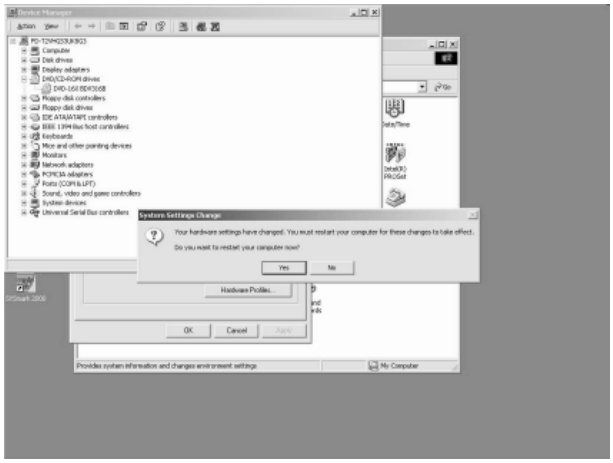


DVD-16X BDV316B Properties
General
Properties
Advanced Settings
Driver
These settings determine the way in which Windows uses this CD-ROM for playing CD music.
CD Player Volume
Low
High
Digital CD Playback
You can have Windows use digital instead of analog playback of CD audio. This feature may not work with all CD-ROM devices, disable if you are having problems with CD audio.
Enable digital CD audio for this CD-ROM device.
OK
Cancel

(E) Select "Enable digital CD audio for this CD-ROM device"

DVD-16X BDV316B Properties
General
Properties
Advanced Settings
Driver
These settings determine the way in which Windows uses this CD-ROM for playing CD music.
CD Player Volume
Low
High
Digital CD Playback
You can have Windows use digital instead of analog playback of CD audio. This feature may not work with all CD-ROM devices, disable if you are having problems with CD audio.
Enable digital CD audio for this CD-ROM device.
OK
Cancel

(F) Select "Yes" to complete the procedure.



3. The default settings for the functions of the Windows® ME and Windows® XP are enabled, therefore not every Windows® operating system needs to use the above method to start the digital CD video signals.
4. For different operating systems, the way of starting the SPDIF function is very similar.

■ Related Description for using Card Reader (only applicable for the models that have card reader)

1. Product Features

Card Reader supports almost all of the available storage cards including: 3.3V SmartMedia Card, Type I/II CompactFlash Card, Microdrive, Memory Stick, SecureDigital Card, and MultiMedia Card.

1-1. Types of Slots

Card reader can support several different types of flask memory cards.

SD	SecureDigital Card	MMC	MultiMedia Card
CF	CompactFlash Card	MS	Memory Stick
SM	SmartMedia Card	MD	Microdrive

1-2. Instructions for Operation

Card Reader has an LED indicator light to display the status of the card reader.
If LED indicator light is on: It indicates that the Card Reader ready.
If LED indicator light is blinking: It indicates the memory card is being accessed.

Caution: Please avoid removing the memory card when the LED indicator light is blinking (when the memory card is accessed).

2. Software Installation

If the operating system cannot automatically install the card reader, please install the driver and bundled in the accessory kit.

2-1. Automatic Installation

Insert the Driver CD into the optical disk drive, and the system will automatically detect and run the installation.

2-2. Manual Installation

2-2.1 Put the Driver CD into the optical disk drive.
2-2.2 Double click the CD drive icon in "My Computer", and then double click "Setup.exe" to run the installation program.
2-2.3 Just follow the instructions given on the screen, and the card reader installation program will complete the installation procedure for you.
2-2.4 After the installation is complete, operating system will request you to reboot the system.

3. Using the Card Reader

3-1. Insert the memory card in the appropriate slot.
3-2. Open "My Computer" or "Windows Explorer".
3-3. Double click the icon of the removable disk.
3-4. You can open, copy, move, or delete the file in the memory card, which is similar to the operation of the hard disk drive.